



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Tsujimoto et al.
Appl. No.: 09/284,222
Filed: July 22, 1999
Title: NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY
Art Unit: 1745
Examiner: T. Dove
Docket No.: 113184-003

Commissioner for Patents
Washington, DC 20231

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RESPONSE TO OFFICE ACTION

Sir:

In response to the Office Action dated June 21, 2002, please amend the above-identified patent application as follows:

In the Claims:

Please amend claims 7 and 12 as follows:

7. (Three Times Amended) A nonaqueous electrolyte secondary battery comprising:
- a positive electrode comprising a first positive electrode layer, a second positive electrode layer and a positive electrode collector disposed between the first positive electrode layer and the second positive electrode layer;
- a negative electrode comprising a binder and an active material, the binder comprising a mixture of a fluorine polymer and an aromatic vinyl-conjugate diene polymer, the active material comprising a carbonaceous material wherein the binder comprises a weight mixture ratio of the fluorine polymer to the aromatic vinyl-conjugate diene polymer that ranges from about 1 to about 99 and wherein the binder comprises from about 2 weight percent to about 15 weight percent of a total weight of the negative electrode, and wherein the negative electrode comprises a first negative electrode layer, a second negative electrode layer and a negative electrode